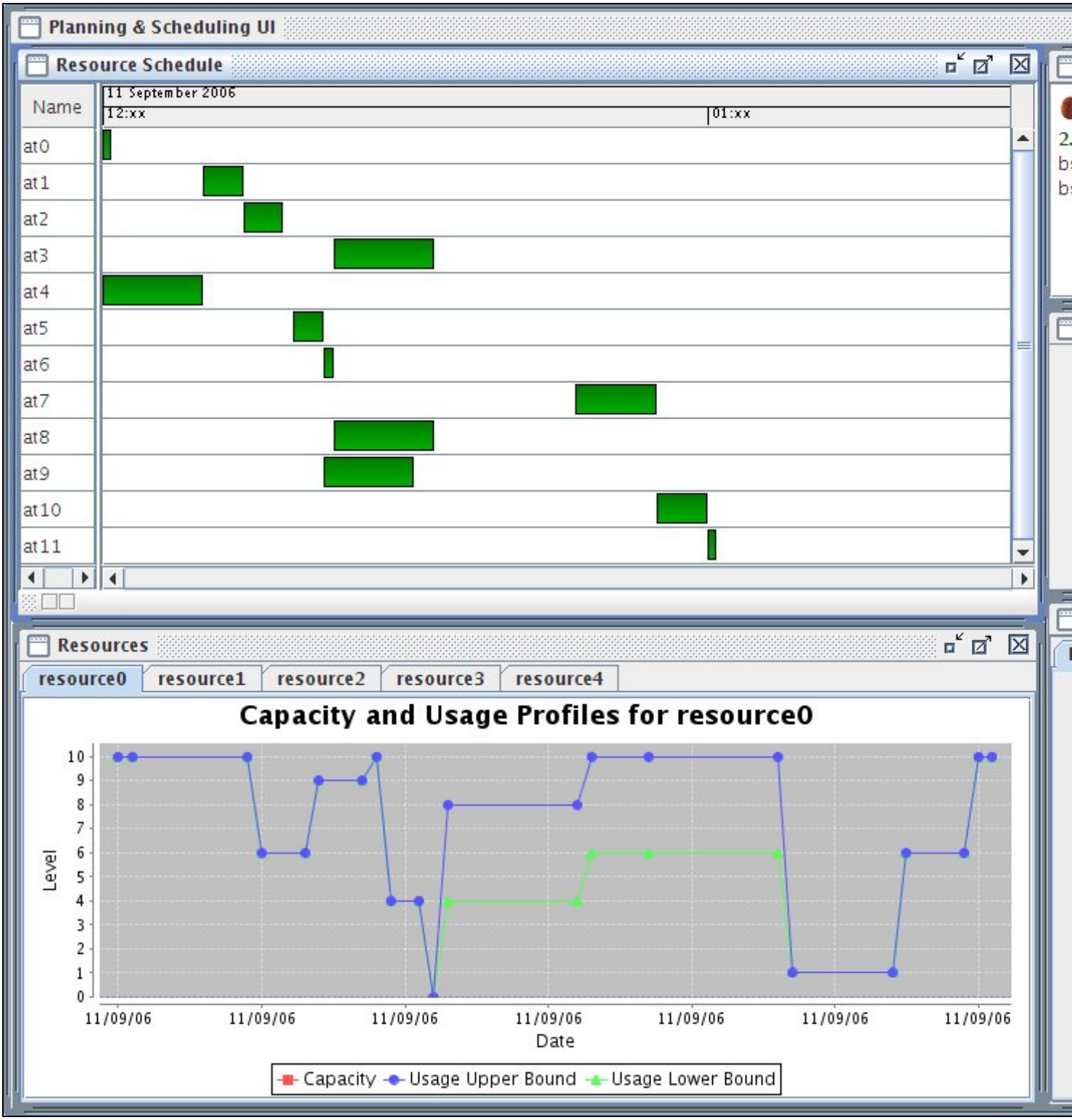
The NDDL implementation provided here can solve RCPSP problem instances generated by ProGen/max. Typically, the goal is to minimize total project duration while respecting all constraints. This example can be run with the built-in Solver or with a very effective Local Search algorithm called IFlatIRelax (Michel, Van Hentenryck 2004) that was enhanced to solve this kind of problems. This is also a good place to see how you can build your own solver on top of EUROPA.

Run the example

```
% cd $EUROPA_HOME/examples/UBO
% ant
```

Click on "Go" in the solver dialog, then run "setupDesktop()" from the BeanShell console, you'll see the resulting schedule for this particular example :


Planning & Scheduling UI
Resource Schedule
Name
11 September 2006
12:xx
01:xx
at0
at1
at2
at3
at4
at5
at6
at7
at8
at9
at10
at11
Resources
resource0
resource1
resource2
resource3
resource4
Capacity and Usage Profiles for resource0
Level
10
9
8
7
6
5
4
3
2
1
0
11/09/06
11/09/06
11/09/06
11/09/06
11/09/06
11/09/06
11/09/06
Date
Capacity
Usage Upper Bound
Usage Lower Bound